Promina 800 Series Maintenance

Who Should Attend

This course is recommended for Network Managers, Technicians, System Analysts, and System Engineers who will manage and maintain an NET Promina Multiservice Access Platform (PMAP) & Multiservice Bandwidth Manager (MBM) network using the Operator Interface.

Prerequisites

NET Multiservice Bandwidth Manager Overview, Software Configuration and Diagnostics or Promina 800 Series MAP* Operations and Configuration conducted in an NET training environment.

Course Description

Using an N.E.T. PMAP/MBM training network, the students will configure, install, replace, option, and cable N.E.T. PMAP/MBM hardware. The trainee also learns how to use and interpret N.E.T. PMAP/MBM hardware indicators and controls; correlate hardware indicators with Operator Interface displays for purposes of troubleshooting; and to perform appropriate diagnostic tests to isolate failed circuit or system components. Several lab exercises are included to demonstrate N.E.T. PMAP/ MBM capabilities.

Key Topics

System theory
Promina 800 series and IDNX/90/20 BUS Overview

Hardware overview
Promina 800 series/IDNX/90/20 common equipment

Promina 400/IDNX/20 Hardware
Chassis, backplane, power supplies, Bus terminators cards, upgrades

Promina 800/IDNX/90 Hardware
High Speed shelf, Expansion shelf, Standard shelf, PPM, PSM, HPC, SX, and BX card functionality
Front/rear card relationship

Optional Equipment
MLB, Alarm Panel, DSX Patch Panel, Card Shielding and retainer bar system

Trunk modules
All types of Trunk Modules and Interfaces

Data modules
All types of Data Modules and Interface

Data Port Signaling
Local signaling and transparent signaling

Data Port Synchronization
Pass through timing

Voice modules
All types of Voice Modules and Interface

Voice port signaling
E&M signaling and Server Module diagnostics
PRC/TMCP Loops, loopbacks, diagnostics

Hands-On Exercises

Configure and option the basic common equipment in an N.E.T. PMAP/MBM four node network.
Option, install, cable and verify Promina 800 series/IDNX feature modules.
Run PMAP/MBM diagnostic tests to isolate any faulty modules, erroneous software configurations, poorly seated or faulty cables.
Test ports and trunks using breakout boxes, bit error rate test sets, and T-1 test equipment
Perform fault isolation/troubleshooting.

Course Code

P8-MTN

Length

Four Days

Course Price

$2,195.00